| Processing Treatment E | | | |
|---|---|---|---|
| | Time | Temperature | Replenishment Rate |
| Color Development | 90 sec | 38° C. | 290 ml/m$^2$ |
| Bleach-Fix | 45 sec | 35° C. | 290 ml/m$^2$ |
| Water Wash (1) | 30 sec | 35° C. | |
| Water Wash (2) | 30 sec | 35° C. | |
| Water Wash (3) | 30 sec | 35° C. | 320 ml/m$^2$ |

The replenishment of the wash water was carried out by replenishing the water wash bath (3). The overflow from the water wash bath (3) was fed into the water wash bath (2) and the overflow from this bath was supplied to water wash bath (1) to establish a counter-flow replenishment system. At this time the photosensitive material carried over 35 ml/m$^2$ of solution from the previous bath and so the replenishment rate was 9.1 times.

| [Color Developer] | | |
|---|---|---|
| | Stock Solution | Replenisher |
| Diethylenetriamine pentaacetic acid | 0.5 gram | 0.5 gram |
| 1-hydroxyethylidene-1,1-diphosphonic acid | 0.5 gram | 0.5 gram |
| Diethylene glycol | 8.0 grams | 13.0 grams |
| Benzyl alcohol | 12.0 grams | 18.5 grams |
| Sodium bromide | 0.7 gram | — |
| Sodium chloride | 0.5 gram | |
| Sodium sulfite | 2.0 grams | 2.5 grams |
| N,N-Diethylhydroxylamine | 3.5 grams | 4.5 grams |
| Triethylenediamine(1,4-diazabicyclo[2,2,2]octane) | 3.5 grams | 4.5 grams |
| 3-Methyl-4-amino-N-ethyl-N-(β-methanesulfonamidoethyl)aniline | 5.5 grams | 8.0 grams |
| Potassium carbonate | 30.0 grams | 30.0 grams |
| Fluorescent whitener (stilbene type) | 1.0 gram | 1.3 grams |
| Pure water to make | 1000 ml | 1000 ml |
| pH | 10.50 | 10.90 |

The pH was adjusted using potassium hydroxide or hydrochloric acid.

| [Bleach-Fix Bath] | |
|---|---|
| | Stock Solution = Replenisher |
| Ammonium thiosulfate | 100 grams |
| Sodium bisulfite | 21.0 grams |
| Ammonium ethylenediaminetetraacetato ferrate dihydrate | 50.0 grams |
| Ethylenediamine tetraacetic acid disodium salt, dihydrate | 5.0 grams |
| Pure water to make | 1000 ml |
| pH | 6.3 |

The pH was adjusted with aqueous ammonia or hydrochloric acid.

[Wash Water]

Pure water was used (Stock=replenisher)

In this context pure water signifies tap water from which all cations other than hydrogen ions and all anions other than hydroxyl ions had been reduced to concentrations of less than 1 ppm by means of an ion exchange process.

## EXAMPLE 9

Example 1 was repeated except that the processing treatment was changed from process A to process F outlined below and similar results to those obtained in example 1 were obtained.

| Processing Treatment F | | | |
|---|---|---|---|
| | Time | Temperature | Replenishment Rate |
| Color Development*1 | 135 sec | 36° C. | 320 ml/m$^2$ |
| Bleach-Fix | 40 sec | 36° C. | 320 ml/m$^2$ |
| Stabilizing (1)*2 | 40 sec | 36° C. | |
| Stabilizing (2)*2 | 40 sec | 36° C. | 320 ml/m$^2$ |
| Drying | 40 sec | 70° C. | |

| [Color Developer] | | |
|---|---|---|
| | Stock Solution | Replenisher |
| Hydroxyethylimino-diacetic acid | 0.5 gram | 0.5 gram |
| Monoethylene glycol | 9.0 grams | 10.0 grams |
| Benzyl alcohol | 9.0 grams | 10.0 grams |
| Monoethanolamine | 2.5 grams | 2.5 grams |
| Sodium bromide | 2.3 grams | 1.5 grams |
| Sodium chloride | 5.5 grams | 4.0 grams |
| N,N-diethylhydroxylamine | 5.9 grams | 6.5 grams |
| 3-Methyl-4-amino-N-ethyl-N-(β-methanesulfonamidoethyl)aniline | 2.7 grams | 3.0 grams |
| 3-Methyl-4-amino-N-ethyl-N-hydroxyethylaniline | 4.5 grams | 5.0 grams |
| Potassium carbonate | 30.0 grams | 35.0 grams |
| Fluorescent whitener (stilbene type) | 1.0 gram | 1.2 grams |
| Pure water to make | 1000 ml | 1000 ml |
| pH | 10.30 | 10.70 |

*1Color developed while exposing to while light of intensity 1 lux for 15 seconds starting from 15 seconds after immersion in the color developer.

*2Stabilizer replenishment with a counter-flow system from stabilizing bath (2) to stabilizing bath (1).

The pH was adjusted using potassium hydroxide or hydrochloric acid.

| [Bleach-Fix Bath] | |
|---|---|
| | Stock Solution = Replenisher |
| Ammonium thiosulfate | 110 grams |
| Sodium bisulfite | 12 grams |
| Ammonium diethylenetriaminepentaacetato ferrate | 80 grams |
| Diethylenetriamine pentaacetic acid | 5 grams |
| 2-Mercapto-5-amino-1,3,4-thiadiazole | 0.3 gram |
| Pure water to make | 1000 ml |
| pH | 6.80 |

The pH was adjusted using aqueous ammonia or hydrochloric acid.

| [Stabilizer] | |
|---|---|
| | Stock Solution = Replenisher |
| 1-Hydroxyethylidene-1,1-diphosphonic acid | 2.7 grams |
| o-Phenylphenol | 0.2 gram |
| Potassium chloride | 2.5 grams |
| Bismuth chloride | 1.0 gram |
| Zinc chloride | 0.25 gram |
| Sodium sulfite | 0.3 gram |
| Ammonium sulfate | 4.5 grams |
| Fluorescent whitener (stilbene type) | 0.5 gram |
| Pure water to make | 1000 ml |
| pH | 7.2 |